

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): ~~Spectrum-A~~ spectrum spreading data transmission process in which:

- ~~in sending:~~ a step of sending, including building up symbols to be sent are built up from the data to be transmitted, and ~~are modulated~~ modulating said symbols by spectrum spreading using pseudo-random sequences,

- ~~on reception:~~ ^a a step of receiving, including correlating ^λ received signal is ~~correlated~~ with the pseudo-random sequences used in sending, identifying the sent symbols, ~~sent are found and restoring the data are restored,~~
~~this the process being characterized in that comprising:~~

a) in said sending step:

v) building up a set of S successive different pseudo-random sequences ~~is built up,~~ in which S is greater than or equal to at least 2,

vi) grouping the symbols to be transmitted ~~are grouped into successive packets~~ each containing S successive symbols,

vii) ^{the} modulating ^{different} the S successive symbols of a packet ~~are modulated by one of~~ the set of S successive ^λ pseudo-random sequences ~~of the set of sequences,~~

viii) ~~operation iii) is repeated~~ repeating said step of modulating for successive packets of S symbols ^{different} with a remaining one of the set of S successive pseudo-random ^λ sequences, the pseudo-random sequences in the set thus being used repetitively,

b) ~~on reception in~~ said receiving step:

correlating the received signal ~~is correlated~~ with each of the S pseudo-random sequences used in the sending step,

restoring the successive packets of symbols ~~are restored and the~~ ^{and} corresponding data, ~~are restored packets of symbols are restored and the corresponding data are restored.~~

Claim 2 (Currently Amended): ~~Process~~ The process according to claim 1, in which several packets of S symbols are processed in parallel.

Claim 3 (Currently Amended): ~~Transmitter~~ A transmitter configured to execute the ^{sending} ~~step of transmitting~~ recited in Claim 1 ~~for embodiment of the process according to claim 1,~~ comprising a general input (10), means (20) ~~of for~~ ^{the} receiving data to be transmitted and building up symbols, and means (60) ~~of for~~ ^{the} modulating ~~these the~~ symbols by spectrum spreading using ^{the} pseudo-random sequences, ~~characterized in that it comprises~~ said transmitter further comprising:

- means (50) ~~of for~~ building up ~~a the~~ set of S successive different pseudo-random sequences ~~S being an integer greater than or equal to 2,~~

- means (30, 40) ~~of for~~ grouping symbols to be transmitted into successive packets each containing S successive symbols,

^{the} ~~means (60) of for~~ modulating the successive symbols of a packet by S successive pseudo-random sequences of the set of sequences, ^{S successive different pseudo-random} ~~to reiterate~~ ^{and} for reiterating this the modulation for successive packets of symbols, the pseudo-random sequences of the set thus being used repetitively.

Claim 4 (Currently Amended): ~~Transmitter~~ The transmitter according to claim 3, in which the means ⁽⁶⁰⁾ ~~for modulating~~ ^{to} are adapted process packets of successive symbols in series ~~and in parallel~~ several packets of S symbols in parallel.

Claim 5 (Currently Amended): ~~Receiver~~ A receiver configured to execute the step of
receiving recited in Claim 1 for embodiment of the process according to claim 1, comprising
 means ~~of for~~ correlating ^{the received} ~~a reception~~ signal with pseudo-random sequences and ~~of for~~
 outputting despread symbols, and means ~~of for~~ recovering ~~restoring the data starting from~~
~~these said despread~~ symbols, ~~characterized in that it comprises~~ said receiver further
comprising:

- means (110₁, ..., 110_M) ~~of for~~ correlating the received signal with S pseudo-random
 sequences, S being an integer greater than or equal to 2,

- means (120₁, ..., 120_M) (130) (140₁, ..., 140_L) (150₁, ..., ^{150_L} ~~150_L~~) ~~of for~~ restoring
^{the} recovering packets of S despread symbols,

- means (170) ~~of for~~ ^{the} restoring ~~recovering~~ ^{the} transmitted ~~the corresponding data on a~~
~~general output (180) from said packets of S despread~~ symbols.

Claim 6 (Currently Amended): ~~Receiver~~ The receiver according to claim 5, in which
^{(120₁, ..., 120_M) (130) (140₁, ..., 140_L) (150₁, ..., 150_L)}
 the means for recovering are adapted to process several packets of successive symbols in
series and in parallel.